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MODEL 7278 HEAVY PLANING MACHINE

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The Novosibirsk Tyazhstankogidropress Plant imeni A. I. Yefremov has manufactured a new high-production heavy planing machine, Model 7278. Parts up to 45 tons in weight, 8,000 millimeters long, 3,000 millimeters wide, and 2,500 millimeters high can be machined on it.

The electric motor for driving the table is supplied by a generator which is activated by a 115-kilowatt alternating-current motor. The speed of the electric motor for the table drive is infinitely variable within the range of 125 to 1,250 revolutions per minute; the speed of the table work stroke changes correspondingly from 5 to 50 meters per minute.

The machine tool has four heads. Each head has a working feed and rapid travel in a horizontal and vertical plane. The amount of horizontal feed for the cross-rail heads and the vertical feed for the side heads can be changed within the range of 0.5 to 100 millimeters per double stroke of the table; the vertical feed for the cross-rail heads and the horizontal feed for the side heads can be changed within the range of 0.25-50 millimeters per double stroke.

The maximum total cutting force is 20,000 kilograms at a planing speed of 12 meters per minute.

The machine tool has push-button control, operated primarily from the main panel. In addition to the main panel, there are four auxiliary control panels in various locations on the machine tool.

The planing machine is 18,600 millimeters long, 7,030 millimeters wide, and 6,250 millimeters high. It weighs approximately 130 tons.

The new machine tool is intended for processing large machine housings at heavy machine-building plants.

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